

FORM PTO-1390 (REV. 01-2003) US DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 123563
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) New U.S. National Stage of PCT/JP03/11961 <b>10/532422</b>
INTERNATIONAL APPLICATION NO. PCT/JP03/11961	INTERNATIONAL FILING DATE September 19, 2003	PRIORITY DATE CLAIMED October 23, 2002
<b>TITLE OF INVENTION</b> OPTICAL SIGNAL AMPLIFYING TRIODE AND OPTICAL SIGNAL TRANSFER METHOD, OPTICAL SIGNAL RELAY DEVICE, AND OPTICAL SIGNAL STORAGE DEVICE USING THE SAME		
<b>APPLICANT(S) FOR DO/EO/US</b> Yoshinobu MAEDA		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> <li>c. <input type="checkbox"/> The International Application was filed in English.</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input type="checkbox"/> Other items or information:</li> </ol>		

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21. <input checked="" type="checkbox"/> The following fees are submitted:		CALCULATIONS PTO USE ONLY				
<b>BASIC NATIONAL FEE (37 CFR 1.492(a)):</b> ..... \$ 300.00		\$300				
<b>SEARCH FEE (37 CFR 1.492(b)(1)-(3)):</b>		\$400				
International search fee (37 CFR 1.445(a)(2)) paid to USPTO as ISA ..... \$ 100.00						
International search report provided to USPTO no later than the time at which the search fee is paid ..... \$ 400.00						
All situations not provided for above ..... \$ 500.00						
<b>EXAMINATION FEE (37 CFR 1.492(c)(1)-(2)):</b>		\$200				
International preliminary examination report prepared by the USPTO as IPEA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage ..... \$ 100.00						
All situations not provided for above ..... \$ 200.00						
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$				
TOTAL PAGES OF APPLICATION OVER 100 (151 - 100)	51 ÷ 50	= 2	x 250 =	\$500		
-round up to next integer						
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$		
TOTAL CLAIMS	34 - 20	= 14	x 50.00 =	\$700		
INDEPENDENT CLAIMS	4 - 3	= 1	x 200.00 =	\$200		
MULTIPLE DEPENDENT CLAIM(S)(if applicable)			+ 360.00 =	\$		
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$2300		
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.				\$		
<b>SUBTOTAL =</b>				\$2300		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$		
<b>TOTAL NATIONAL FEE =</b>				\$2300		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$		
<b>TOTAL FEES ENCLOSED =</b>				\$2300		
				Amount to be refunded: \$		
				charged: \$		
a. <input checked="" type="checkbox"/> Check No. 165976 in the amount of \$2300 to cover the above fees is enclosed.						
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.						
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>15-0461</u> . A duplicate copy of this sheet is enclosed.						
d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card</b> <b>information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.						
<b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>						
SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944						
<table border="0"> <tr> <td>NAME: James A. Oliff</td> </tr> <tr> <td>REGISTRATION NUMBER: 27,075</td> </tr> </table>					NAME: James A. Oliff	REGISTRATION NUMBER: 27,075
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<table border="0"> <tr> <td>NAME: Eric D. Morehouse</td> </tr> <tr> <td>REGISTRATION NUMBER: 38,565</td> </tr> </table>					NAME: Eric D. Morehouse	REGISTRATION NUMBER: 38,565
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Date <u>April 22, 2005</u>						